



# Nexus 5X LCD Screen & Digitizer Replacement

LCD screen & digitizer replacement guide for your Nexus 5X mobile device.

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## INTRODUCTION

This Nexus 5X replacement guide will show you how to replace only the LCD screen and digitizer on your Nexus 5X mobile device—**not the [frame assembly](#)**. If your replacement part includes the plastic frame, you will need to transfer additional parts (*LED, vibration motor, ear speaker, headphone jack, power/volume buttons, and proximity sensor gaskets*) to your new frame assembly. Be sure to read through the steps and comments carefully before you begin your replacement.

If your glass screen (digitizer) is cracked, damaged, or unresponsive to touch, this guide will help you replace the damaged glass screen and restore functionality to your device.

If your display has dead pixels, displays distorted or blurry images, or fails to display anything at all, this guide will help you replace the damaged LCD.

Adhesive strength and device condition may vary; please exercise caution when removing components from your device.



### TOOLS:

- [iFixit Opening Tools](#) (1)
- [SIM Card Eject Tool](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [Heat Gun](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Electrical Shielding Tape](#) (1)



### PARTS:

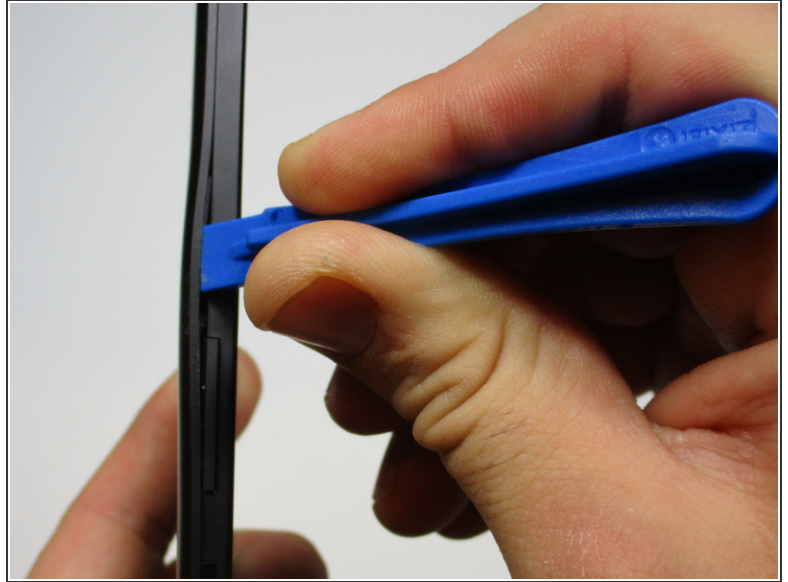
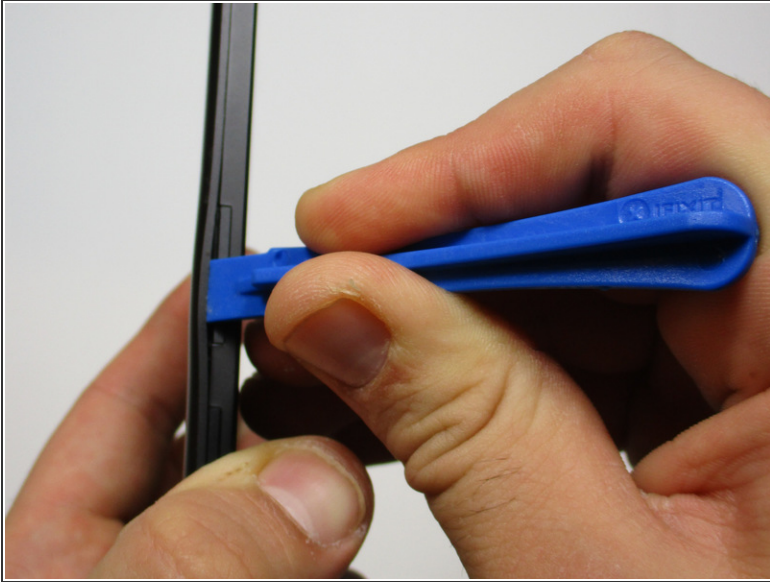
- [Nexus 5X LCD Screen and Digitizer Assembly](#) (1)

## Step 1 — Back Panel



- Insert a SIM card ejection tool into the SIM card slot located on the left edge of the phone.
- Press in with the tool of your choice until it pops out of the side of the phone.
- Remove the SIM card slot tray and set aside.

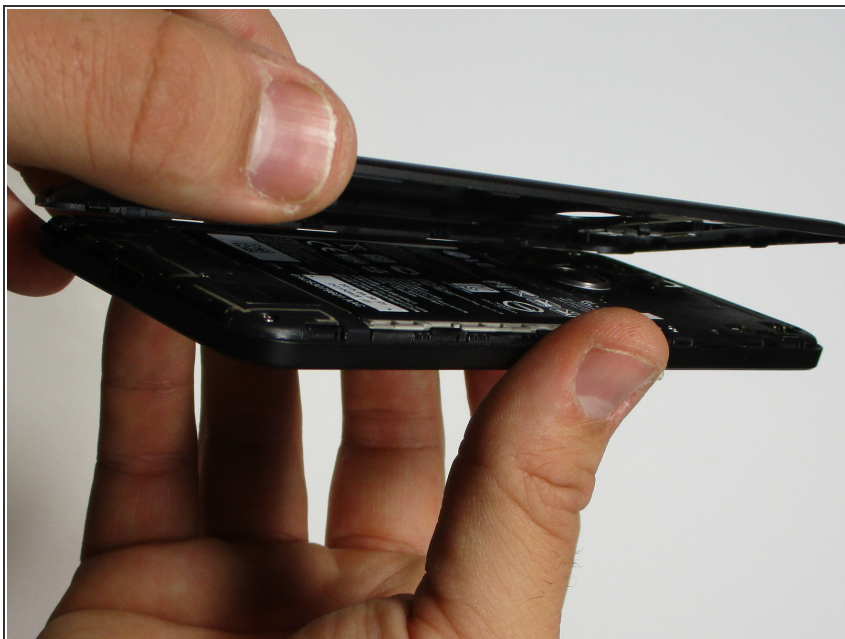
## Step 2



- Starting at the SIM card slot, stick the plastic opening tool in between the back panel and the phone.
- Slide the opener tool gently around the phone until you hear clicks and visibly see the panel separate from the body of the phone.
- Continue this process on each edge of the phone, until the only thing holding the back panel to the body of the phone is the fingerprint scanner.

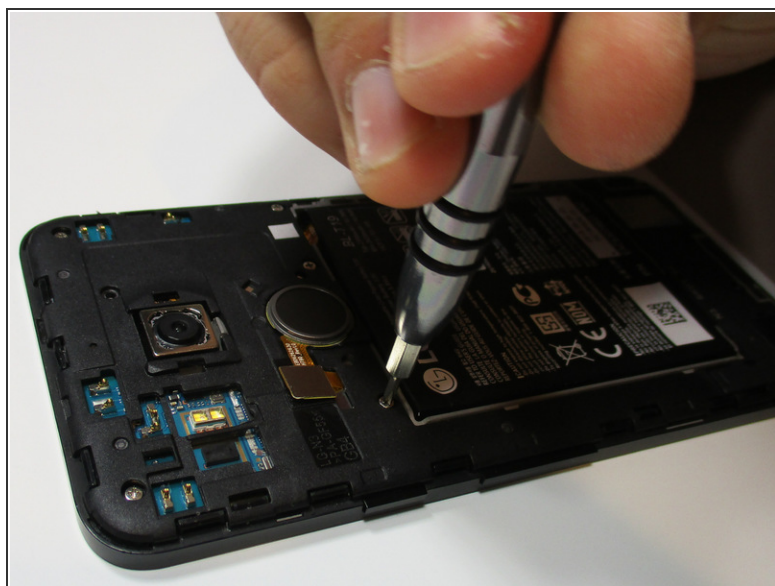


## Step 3



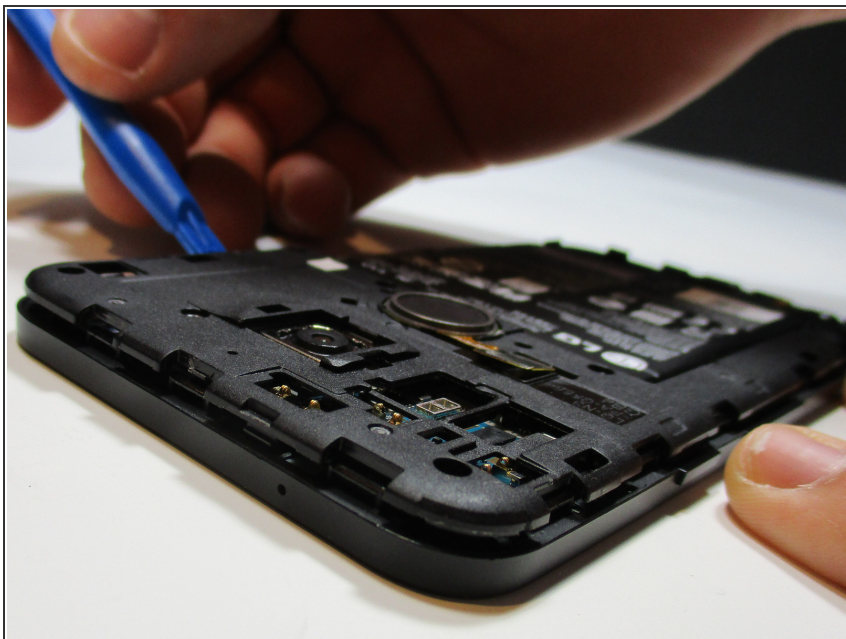
- Gently detach the back panel from the finger print scanner on the back of the phone.

## Step 4 — Midframe



- Use a Phillips #000 screwdriver to remove the ten screws that secure the middle frame.

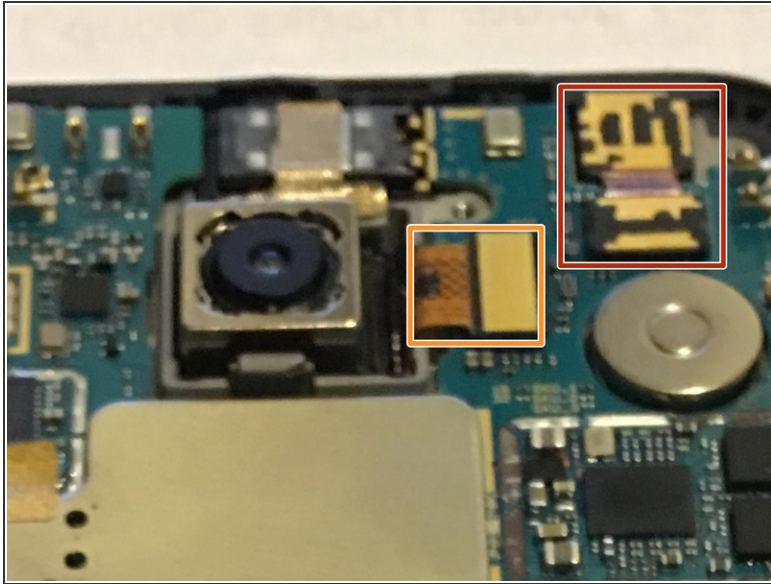
## Step 5



- Starting from the bottom, use a plastic opening tool to pry off the middle panel from the phone.

⚠ Be careful when doing this because the middle panel comes in two pieces and if you start at the top, you may break the connection between the two pieces.

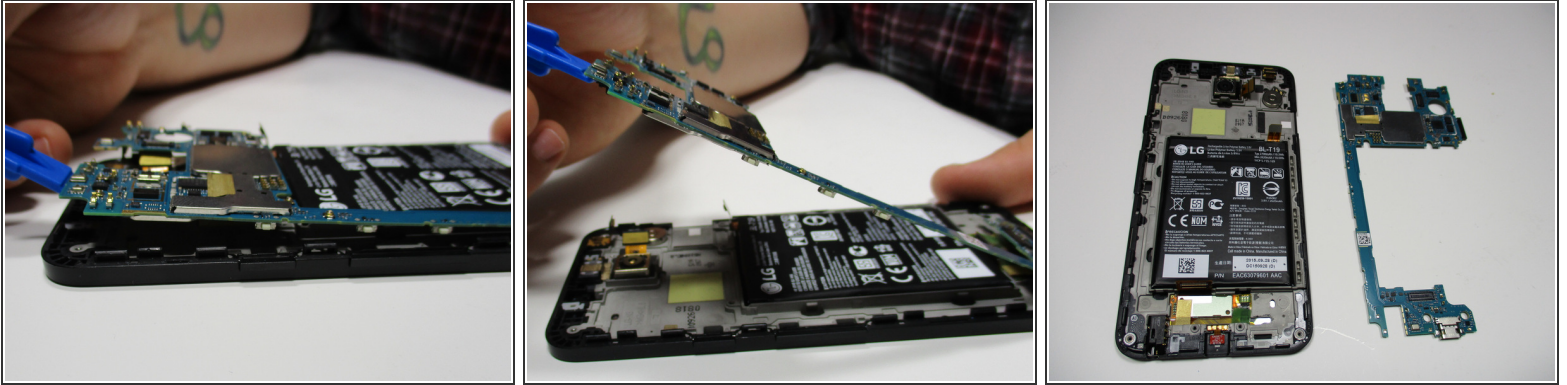
## Step 6 — Motherboard




- Remove the following four press-fit connectors with the flat edge of a plastic spudger:
  - Front-facing camera connector.
  - Rear-facing camera connector.
  - Battery connector.
  - Digitizer connector.



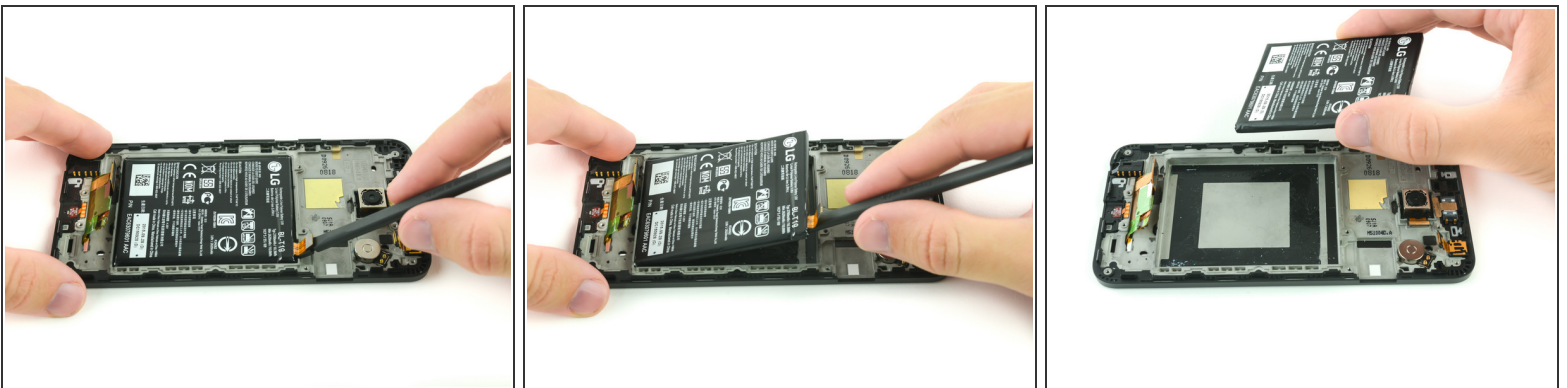
## Step 7




- Insert a plastic opening tool underneath any edge of the top half of the motherboard.
- Gently lift the motherboard off of the phone's body.


 Make sure that none of the ribbon cables get caught on the motherboard while you are releasing it.

## Step 8 — LCD Screen & Digitizer



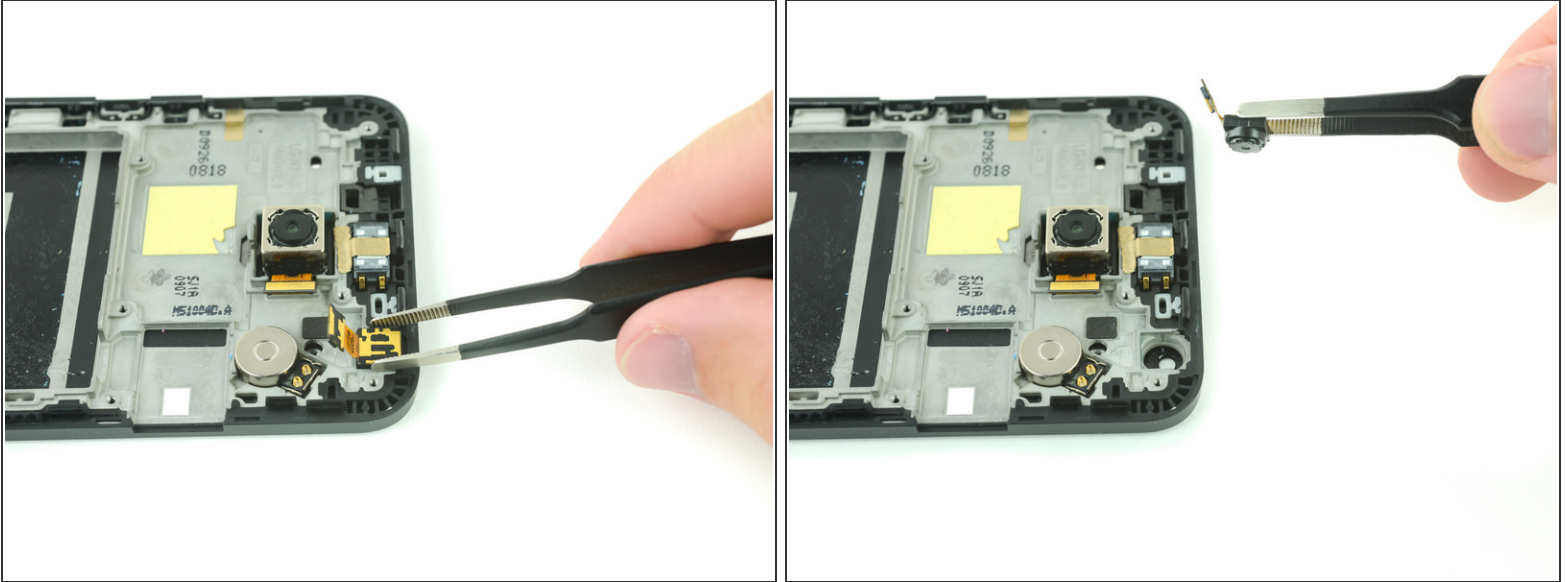
- Insert the flat end of a [nylon spudger](#) just below the battery ribbon cable.
- Carefully work the spudger along the bottom of the battery to free it from the adhesive.

 Do not bend or puncture the battery.

 If the adhesive under your battery is stubborn, use a heat gun to soften the seal. Set your heat gun to "Low" and apply heat 8-10 inches from the battery as needed.



## Step 9



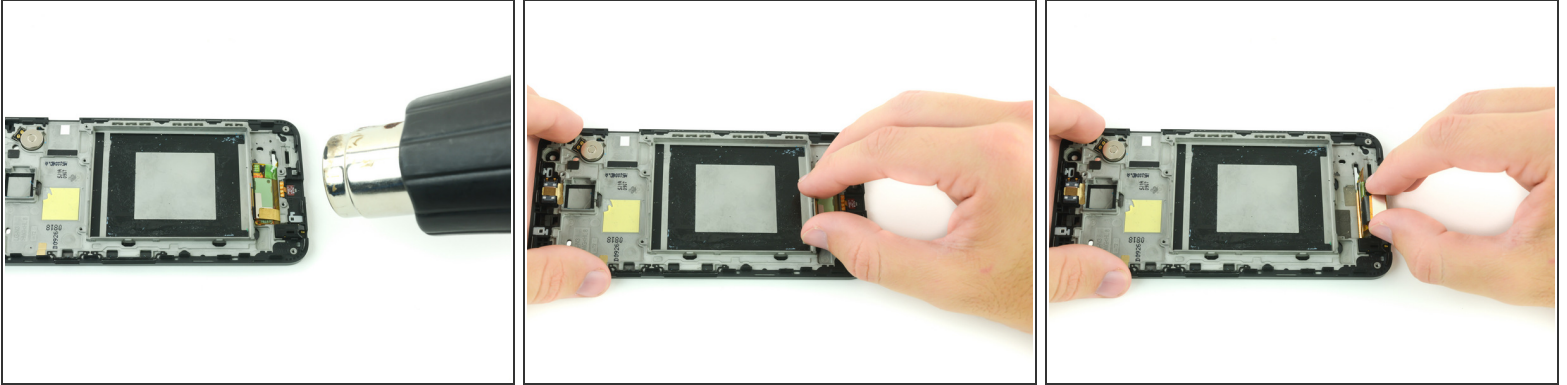
- Use a pair of [tweezers](#) to gently remove the front-facing camera.
- ⓘ The camera is surrounded by a rubber housing and secured at the face with adhesive. You may need to use a nylon spudger to help free the camera.

## Step 10 — Screen



- Gently insert a nylon spudger below the rear-facing camera ribbon cable to remove the camera.
- ⓘ This process may require careful use of heat to soften the adhesive that secures the camera to the frame.
- ⚠ **Do not** apply excessive heat to your camera components. Exposing your lenses to extreme heat can break the seals that keep your lenses clear of dust and condensation.

## Step 11



- Use a heat gun over the digitizer ribbon cable to soften the adhesive that secures it to the plastic housing.
- ⓘ The Nexus 5X pictured here does not have a layer of shielding tape over the digitizer panel. If this tape is present on your device, simply peel it away from the plastic frame to free the digitizer panel.
- ★ You'll need to transfer or replace this strip of shielding tape when you install your new screen.
- Gently wedge the flat end of a spudger into the gap between the battery housing and the digitizer ribbon cable, or use your fingers to gently pull the digitizer ribbon cable free.

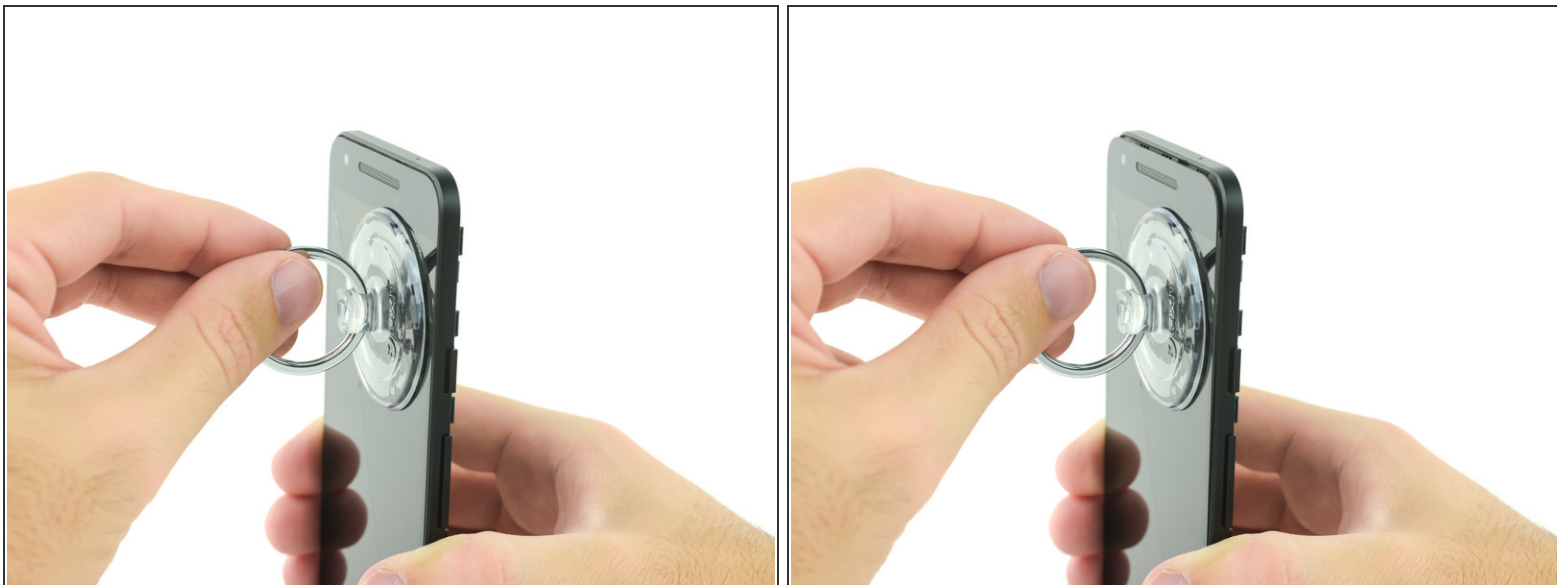
## Step 12



- Use a [heat gun](#) or an iOpener to soften the adhesive underneath the edges of the screen.
- Hold the heat gun approximately 8 inches from your screen, and apply heat along the edges in a gentle back-and-forth motion for roughly 2 minutes.

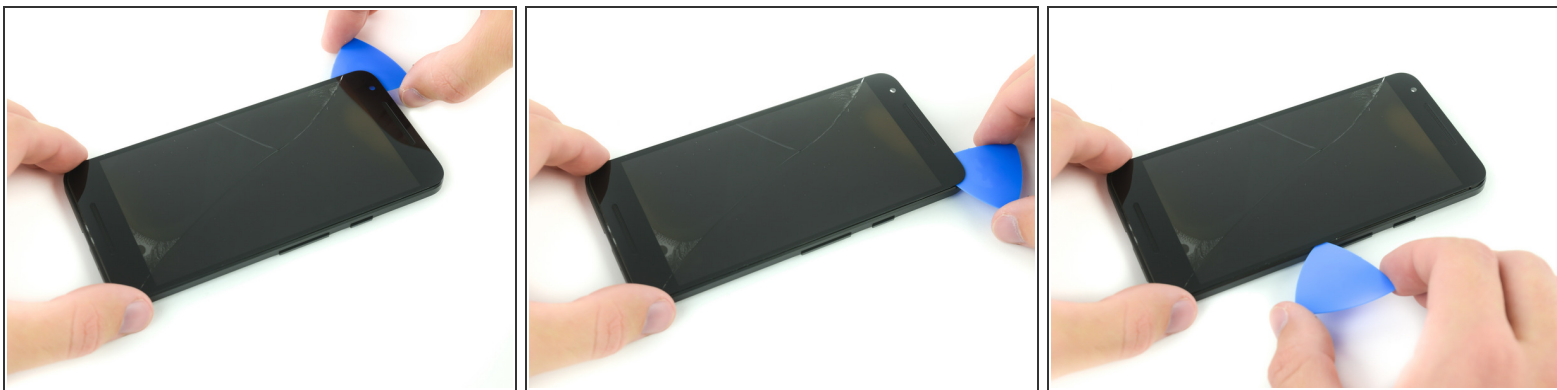


## Step 13



- Use a suction cup and firmly pull the screen away from the frame to create a small gap.
- ⓘ This should not require excessive force. Apply additional heat as needed to soften the screen adhesive.

## Step 14



- Insert a [plastic opening pick](#) into the gap between the screen and the plastic housing.
- Slide the plastic opening pick along the border of the screen to free the screen from any remaining adhesive.

## Step 15



- Remove the [LCD screen & digitizer assembly](#).

- ⚠ Gently feed the digitizer ribbon cable through the frame.
- ★ Transfer your earpiece and speaker mesh to your new screen.

To reassemble your device, follow these instructions in reverse order.

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